

SYSTEMS AND METHOD FOR DELIVERING RELIABLE DATAGRAM  
SERVICE THROUGH CONNECTION-ORIENTED SERVICE

**Abstract**

A system and method for reliable delivery of  
30 datagram protocol data unit (PDU) packets generated by a  
network oriented application at a first computing network  
element to a second computing network element across a  
network. The method steps include: at the first computing  
network element, capturing generated datagram packets  
35 destined for the second computing network element;  
determining a size of a payload associated with the  
datagram and communicating the size of the payload to the  
second computing element via a reliable connection-  
oriented transport service PDU; communicating the actual  
40 payload to the second computing element via the reliable  
connection-oriented transport service PDU; and, at the  
second computing network element, utilizing payload size  
and payload to reconstruct a datagram PDU including the  
payload for a network application at the second computing  
45 network element. By this technique, reliable datagram  
PDU transport over the network is ensured.